

SURVEY NOTES:
1. THIS SURVEY (OR MAP) HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THRU 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. IT IS AN IMPROVEMENT LOCATION SURVEY BASED ON A DEPENDENT RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2 AND VERTICAL ACCURACY CLASS V-2 AND INTENDED TO BE USED FOR REGULATORY APPROVAL.
2. REFERENCE IS MADE TO THE FOLLOWING MAPS:
A) "CORRECTED MAP OF PROPERTY PREPARED FOR JACK HELD, WESTON, CONN." SCALE 1"=100'. DATED JUNE 24, 1991. PREPARED BY DENNIS A. DELIUS, LAND SURVEYOR. ON FILE AS MAP #3166 IN THE WESTON LAND RECORDS.
B) "REVISED MAP OF PROPERTY PREPARED FOR INNOKENTI HALIULIN AND ELENA HALIULIN, 144 STEEP HILL ROAD, WESTON, CONN." SCALE 1"=40'. DATED DECEMBER 21, 2011; REVISED TO APRIL 16, 2020. PREPARED BY DENNIS A. DELIUS, LAND SURVEYOR.

STANDARD NOTES

- All construction methods, materials and installation of the system to be in accordance with all applicable local and state regulations.
- Topographic and property data shown are only approximate.
- Topographic data based on STATE OF CT GIS DATA, property lines based on REFERENCED MAPS.
- The test results and soil types shown apply only to the test holes shown and may vary throughout the site. Soil type and grade should be verified by the owner over the entire leaching area prior to construction.
- Select fill, if required, to be placed in maximum of 12" lifts and to be compacted to a minimum of 90% compaction. Material to have a maximum of 5% passing the #200 sieve. Prior to the delivery of select fill to the site, the contractor at his expense, shall furnish a certified gradation analysis to the local Health Department and to the Design Engineer. Final approval of septic fill will be conditional on the completion of a percolation test on the in-place material. This test is to be witnessed by the Design Engineer and/or local Health Department official. The maximum allowable percolation rate will be 1" in 10 minutes, unless otherwise noted.
- Unless otherwise directed hereon, the site requiring placement of select fill shall be prepared by removing all topsoil in the system area and 5 ft on all sides. No heavy equipment shall be used in the prepared area. Fill shall be placed on the perimeter of the trench area and spread with a small crawler, tractor or other approved machinery. Upon placement of the first lift of select fill, material shall be thoroughly harrowed into the existing subsoil layer.
- Call "Call Before You Dig" 1-800-922-4455 to locate underground utilities on property and show service lines to building from public utilities shown on plan.
- Contractor shall contact the certifying engineer and Health department at least 24 hours prior to starting construction, or the system installation will not be certified.
- Oil tank is to be installed inside proposed building.
- The licensed installer shall cover the septic system with clean soil as prescribed by the latest revision of Technical Standards. Clean soil is native soil, free of contaminants such as boulders, building debris, stumps, etc.
- Septic system to be staked by Engineer/Surveyor and benchmark set prior to starting construction.
- A sieve analysis of the septic fill is to be provided to the health district and design engineer verifying compliance to Health Code requirements prior to placement on site.
- Prior to backfilling septic system Engineer/Surveyor to asbuilt completed septic system and provide plan to health department.

SOIL TEST DATA

DEEP TESTS	TH-142C	TH-142B	TH-142A
0-5" TOPSOIL	4-36" RED-BROWN LOAMY SAND	4-36" RED-BROWN LOAMY SAND	4-36" RED-BROWN LOAMY SAND
36-72" GREY TILL WITH COBBLES	ROOTS TO 36"	ROOTS TO 36"	ROOTS TO 36"
NO LEDGE, WATER @ 72"; MOTTLING @ 36"	NO LEDGE, WATER @ 72"; MOTTLING @ 36"	NO LEDGE, WATER @ 72"; MOTTLING @ 36"	NO LEDGE, WATER @ 72"; MOTTLING @ 36"
Deep Tests	TH-142B	TH-142B	TH-142B
0-4" TOPSOIL	4-36" RED-BROWN LOAMY SAND	4-36" RED-BROWN LOAMY SAND	4-36" RED-BROWN LOAMY SAND
36-72" GREY TILL WITH COBBLES	ROOTS TO 36"	ROOTS TO 36"	ROOTS TO 36"
NO LEDGE, WATER @ 62"; NO MOTTLING	NO LEDGE, WATER @ 62"; NO MOTTLING	NO LEDGE, WATER @ 62"; NO MOTTLING	NO LEDGE, WATER @ 62"; NO MOTTLING

DESIGN INFORMATION

AVERAGE DEPTH TO RESTRICTIVE LAYER 36"+36"+36"/3=36"

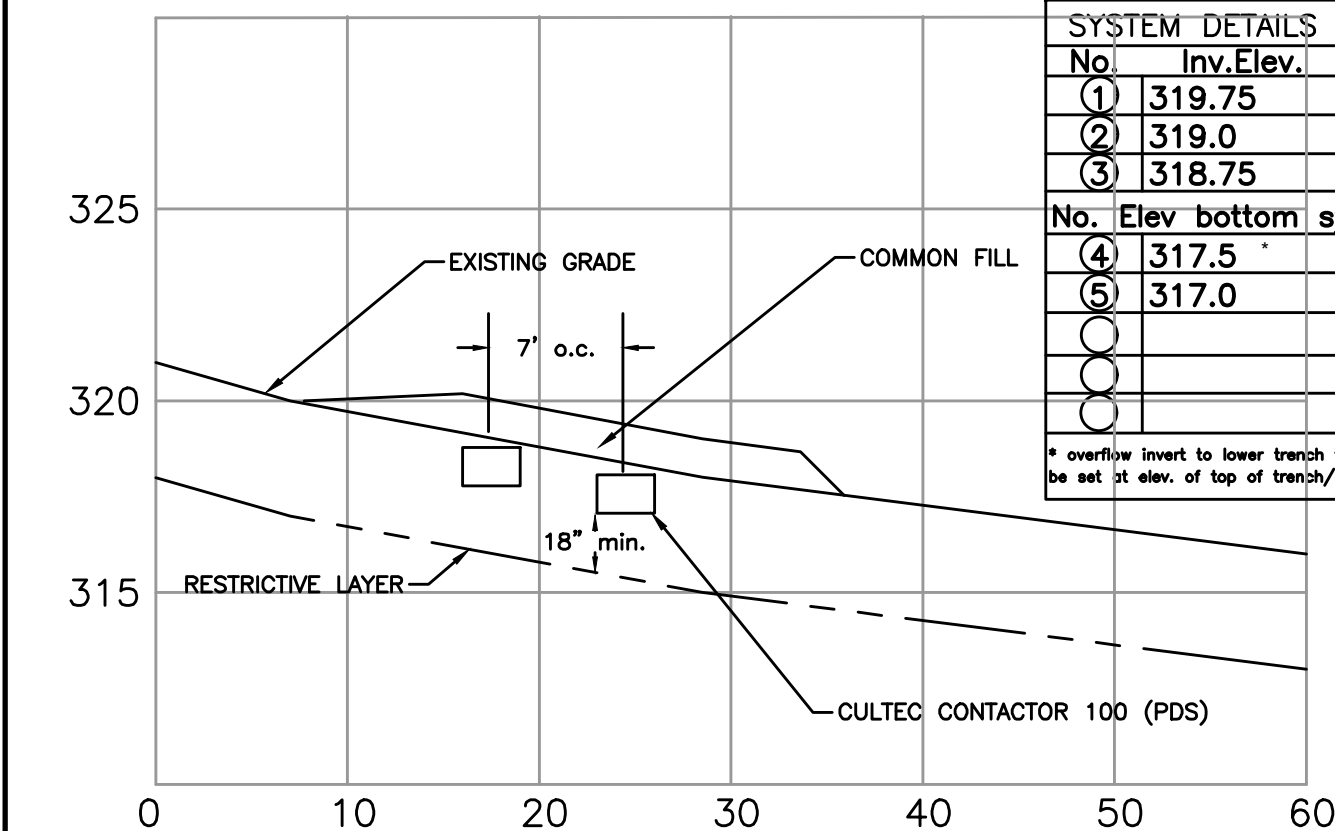
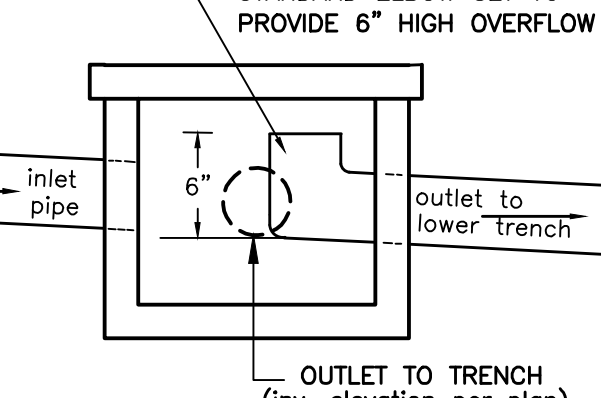
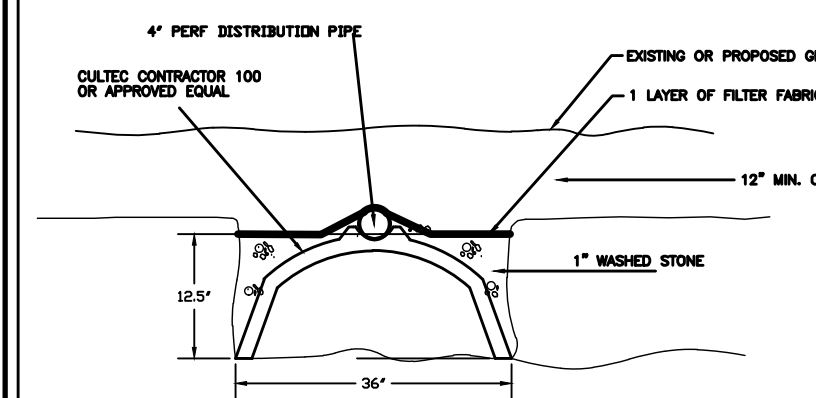
660 SF LEACHING AREA REQUIRED FOR 5 BEDROOM HOUSE.

688 SF LEACHING AREA PROVIDED.

160 lineal feet of 16" CULTEC CONTRACTOR 100 (PDS) UNITS required for proposed 5 bedroom house.

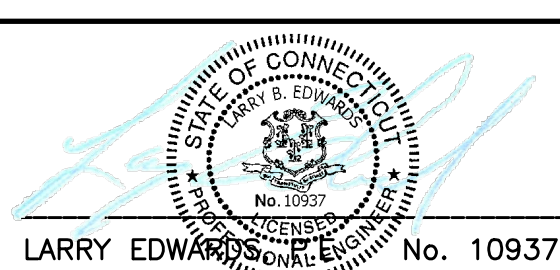
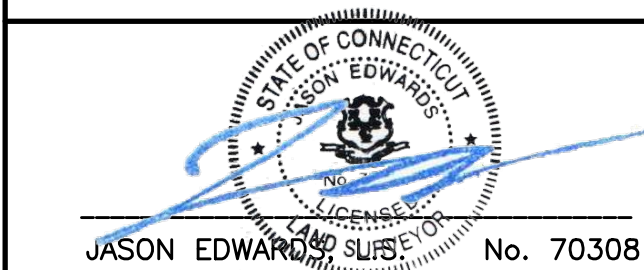
MLSS CALCULATIONS: Depth= 36" Slope= 11% HF= 20 FF= 1.75 PF= 1.0

MLSS = (HF) X (FF) X (PF) = 35'



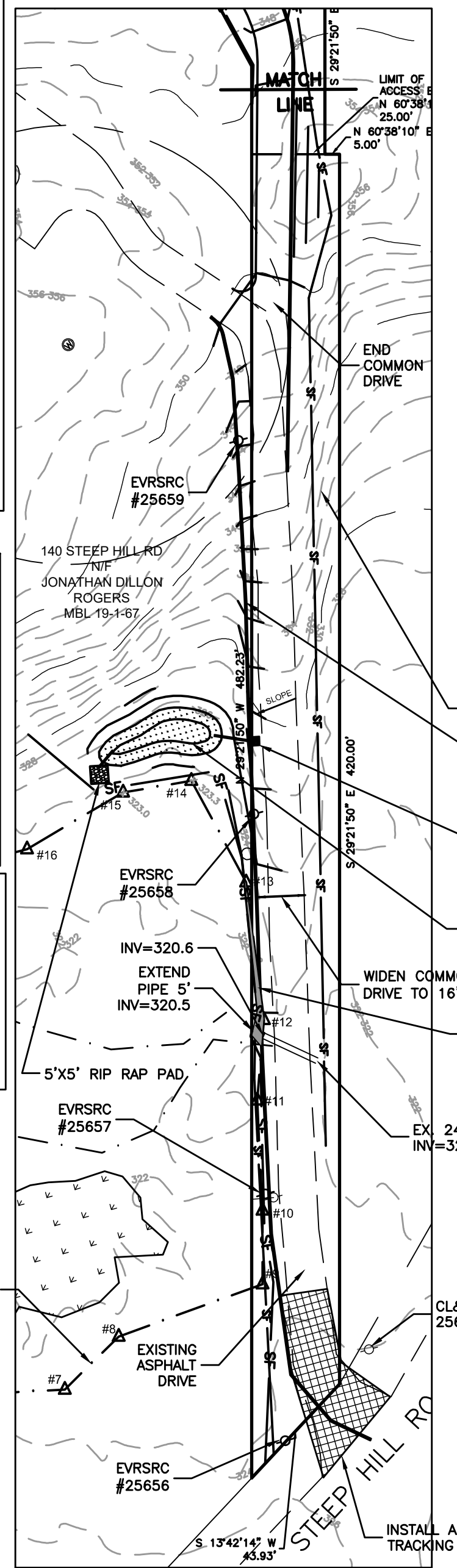
SECTION A-A
Scale = horiz: 1" = 10ft/ vert: 1" = 5ft

I HEREBY CERTIFY THAT THE PERCOLATION TEST(S) SHOWN HEREON WERE CONDUCTED IN CONFORMANCE WITH ALL CURRENT STATE REGULATIONS UNLESS OTHERWISE NOTED HEREON.



ZONE R-2A	SECTION	REQUIRED	PROPOSED
MIN LOT AREA	321.4	2 AC	2,445 AC
MIN RECTANGLE	321.5	170'x200'	170'x200'
MIN LOT FRONTAGE	321.5	170'	43.5'
SETBACKS	321.6	50'	273.6'
FRONT	321.6	50'	56.7'
SIDE	321.6	30'	93.5'
REAR	321.6	30'	93.5'
FARM STRUCTURES	321.1	100'	N/A
MAX BLDG COVERAGE	321.7	15%	1.0%
MAX BLDG HEIGHT	321.8	35'	33.5'

* SEE ARCHITECTURAL PLANS



1250 GALLON SEPTIC TANK
TO BE 25' MIN. FROM ALL DRAINS
ALL SEPTIC TANKS SHALL HAVE TWO
COMPARTMENTS, BE WATERTIGHT WITH
EFFLUENT FILTER AT OUTLET AND
MEET ASTM C1227. ALL INSPECTION
MANHOLES SHALL BE LOCATED AT A
DEPTH NOT GREATER THAN 12" BELOW
FINISHED LANDSCAPED GRADE.

160LF CULTEC CONTRACTOR 100 (PDS) UNITS
SPACED 8" OC, ARRANGED WITH
SERIAL DISTRIBUTION

ACCESS EASEMENT IN
FAVOR OF 140 STEEP
HILL ROAD
AREA=13,081 S.F.

INSTALL CURB OR BERM
TO CATCH BASIN

PROPOSED CATCH BASIN
TF=331.0
8" OUT=329.0

PROPOSED RAIN GARDEN SYSTEM 3
BASIN BOTTOM =322.0 S.F. / 2,445 AC.
ACCESS EASEMENT= 13,081 S.F. / 0.300 AC
NET AREA= 93,443 S.F. / 2.145 AC

WETLAND AREA TO BE DISTURBED
AREA = 120 S.F.

WIDEN COMMON
DRIVE TO 16'

EX. 24" HDP
INV=320.8

CL&P
25656

INSTALL ANTI-
TRACKING APRON

DEER FENCE
APPARENT ENCROACHMENT

140 STEEP HILL RD
NIF
JONATHAN DILLON
ROGERS
MBL 19-1-67

17 TANNERY LANE, NORTH
NIF
HILARY S. BERGER
MBL 19-1-18

21 TANNERY LANE
NIF
BRUCE C. ANGELI
MBL 19-1-19

23 TANNERY LANE
NIF
LEI XIE
MBL 19-1-20

29 WALKER LANE
NIF
GERARDO E. ANCALMO
MBL 19-1-15

146 STEEP HILL RD
NIF
MARIA DOMINICI
MBL 19-1-13

144 STEEP HILL RD
ELENA &
INNOKENTI HALIULIN
MBL 19-1-98

142 STEEP HILL RD
TOTAL AREA= 106,524 S.F. / 2.445 AC.
ACCESS EASEMENT= 13,081 S.F. / 0.300 AC
NET AREA= 93,443 S.F. / 2.145 AC

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PLANTINGS FOR RAIN GARDENS

Herbaceous Seed Mix for Rain Garden
New England Erosion Control/Restoration Mix (NEWEP)

Seeds:

1. Prepare planting bed at a time when no standing water is present.

2. Incorporate 6" of topsoil into the top 6 inches of soil and rake smooth.

3. Seed after shrubs have been planted on edge of rain garden.

4. Seed at a rate of 1lb/1000 square feet.

5. Seed in fall or spring, not between May 15th and August 30th.

6. To broadcast evenly by hand, mix 1:1 by volume with sand.

7. Rake seeds in lightly (< 1/2 - 1 inch).

8. Cover lightly with mulch.

9. Water using a water truck, if there is no rain for more than one week.

* Available from New England Wetland Plants (NEWP) in Amherst, Massachusetts

Scientific name	Common Name
Aronia arbutifolia	Red Chokeberry
Clethra alnifolia	Sweet pepperbush
Cornus amomum	Silky dogwood
Flex verticillata	Winterberry
Myrica pennsylvanica	Bayberry
Sambucus canadensis	Elderberry
Salix discolor	Pussy willow
Vaccinium corymbosum	Highbush blueberry
Viburnum dentatum	Aronia

- Store shrubs in shade and plant within 5 days of delivery.
- Select four shrub species from the adjacent list.
- Plant two to three of each on the perimeter of rain garden (10 total).
- Use planting stock that is at least 3 feet tall, balled or in pots.
- Form a two inch high moist around each shrub to hold water.
- Mulch with bark mulch (3 foot diameter circle) after planting.

LEGEND

- = EXISTING CONTOUR
- = PROPOSED CONTOUR
- = DEEP TEST PIT
- = PERCOLATION TEST
- = FILTER FABRIC FENCE
- = ANTI-TRACKING APRON
- = BUILDING SETBACK LINE

Client: ROGERS
Date: 11-13-19
04-20-20
06-16-20
08-03-20
09-01-20
09-16-20
Scale: 1"=30'
Design: LE
Drawn: JE
Chkd: IE
File # 2704-B

PLOT PLAN OF

142 STEEP HILL ROAD
WESTON, CONNECTICUT

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Engineering and Surveying
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Easton, CT 06612
(203) 268-4205
www.jedwardsassoc.com